Abstract

Molding compositions composed of a glass fiber-reinforced olefin polymer

5 The invention relates to a glass fiber-reinforced molding composition composed of an olefin polymer, in particular a propylene polymer. The molding composition comprises an olefin polymer which contains 5-50% by weight of glass fibers which are bonded to the olefin polymer by means of a compatibilizer, and from 10^{-4} to 1% by weight, preferably from 10^{-3} to 10^{-1}% by weight, of a phthalocyanine pigment as the nucleating agent. The low costs and the fact that even a very small

10 fraction of the phthalocyanine pigment in the polymer leads to sufficient nucleation ensures extremely inexpensive production. The nucleation with the phthalocyanine pigment leads to an improvement in the impact strength, and also in the yield stress and tensile strain at break of the molding composition.

15

20

25

30

35

40